

AFFINITY SELECTED SIGNATURE PEPTIDES FOR PROTEIN
IDENTIFICATION AND QUANTIFICATION

Abstract

5 A method for protein identification in complex mixtures that utilizes
affinity selection of constituent proteolytic peptide fragments unique to a protein
analyte. These "signature peptides" function as analytical surrogates. Mass
spectrometric analysis of the proteolyzed mixture permits identification of a
protein in a complex sample without purifying the protein or obtaining its
10 composite peptide signature.

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